

CLAIMS:

What is claimed is:

1. A conductive terminal capable of being received in a terminal channel defined in an insulative housing and between an electronic component and a circuit board, having a contact portion electrically connecting with the electronic component and a mounting portion electrically connecting with the circuit board via a solder ball, comprising:
5 a first wall, a second wall connecting with the first wall in a certain angle and a third wall connecting with the second wall in a certain angle and opposite to the first wall, and the mounting portion comprising a horizontal portion extending and bending from one end of the first wall toward the third wall, and an vertical portion on the third wall and corresponding to the horizontal portion in a certain angle, the horizontal portion and the vertical portion
10 adhering to the solder ball in two different directions so as to steadily locate the solder ball.
2. The conductive terminal of claim 1 in which the horizontal portion defines a recess in the surface of connecting with the solder ball so as to receive the solder ball.
3. The conductive terminal of claim 1 in which a gap is defined between the vertical portion and a side face of the horizontal portion near the vertical portion and when the solder ball melts, tin flows into the gap.
4. The conductive terminal of claim 1 in which the contact portion comprises a first spring arm formed on one side of the first wall and a second spring arm formed on one side of the second wall corresponding to the first spring arm, and the first spring arm and the second spring arm form a spring receiving structure to connect with the electrical component.
5. The conductive terminal of claim 1 in which one end of the second wall forms a handle.
6. An electrical connector for connecting between an electronic component and a circuit board via a plurality of solder balls soldering onto the circuit board, comprising:
an insulative housing forming a mounting surface adjacent to the circuit board and a receiving surface for supporting the electronic component, the insulative housing defining a

- 5 plurality of terminal channels extending through the mounting surface and the receiving surface; and

a plurality of conductive terminals respectively received in the corresponding terminal channels, the conductive terminal having a first wall, a second wall connecting with the first wall and a third wall connecting with the second wall opposite to the first wall, a horizontal
10 portion extending and bending from one end of the first wall adjacent to the mounting surface toward the third wall, and an vertical portion extending from the third wall and corresponding to the horizontal portion in a certain angle, the horizontal portion and the vertical portion forming a mounting portion to steadily locate the solder ball.

7. The electrical connector of claim 6 in which the horizontal portion of the conductive terminal defines a recess in the surface of connecting with the solder ball so as to receive the solder ball.

8. The electrical connector of claim 6 in which the horizontal portion and the mounting surface of the insulative housing are approximately in a same plane, and the vertical portion is extending out of the mounting surface.

9. The electrical connector of claim 6 in which a gap is defined between the vertical portion and a side face of the horizontal portion near the vertical portion, and tin of the melting solder ball flows into the gap.

10. The electrical connector of claim 6 in which the conductive terminal comprises a first spring arm formed on one side of the first wall adjacent to the receiving surface and a second spring arm formed on one side of the second wall adjacent to the receiving surface, and the first spring arm and the second spring arm are adjacent to form a
5 spring receiving structure.

11. The electrical connector of claim 6 in which one end of the second wall of the conductive terminal forms a handle adjacent to the receiving surface.